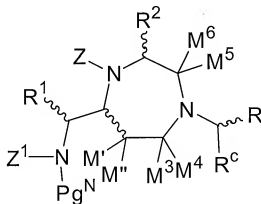


IN THE CLAIMS

1-112. (Canceled)

113. (Previously Presented) A general mimetic of the structure



wherein:

~~~~~ indicates a bond at a chiral centre of the structure which centre may be in the R or S configuration or a mixture thereof;

R, R<sup>1</sup> and R<sup>2</sup> are amino acid side chain groups which may be the same or different;

M' and M'' may be the same or different and are selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, chloro and C<sub>1</sub>-C<sub>4</sub> alkoxy;

M<sup>3</sup>, M<sup>4</sup>, M<sup>5</sup> and M<sup>6</sup> define a lactam as follows:

(i) M<sup>3</sup>, M<sup>4</sup> when taken together with the ring carbon to which they are attached form a carbonyl group, M<sup>5</sup> and M<sup>6</sup> = H, or

(ii) M<sup>3</sup> is H and M<sup>4</sup> = M', M<sup>5</sup> and M<sup>6</sup> when taken together with the carbon atom to which they are attached form a carbonyl group;

Z' is selected from the group consisting of hydrogen or methyl or part of a cyclic amino acid sidechain joined to R<sup>1</sup>;

Pg<sup>N</sup> is a protecting group for amine;

R<sup>C</sup> is selected from the group consisting of a carboxy terminal part of the mimetic, hydrogen, R, and CH<sub>2</sub>R; and

Z is selected from the group consisting of hydrogen, methyl, ethyl, formyl, acetyl, -CH<sub>2</sub>R, and C(O)R.

114. (Withdrawn) A peptide mimetic as claimed in claim 113 wherein when Q<sup>1</sup> and Q<sup>2</sup> form a cyclic group Q<sup>1</sup>Q<sup>2</sup> which is selected from the group consisting of -CH(R)C(O)-, -CH<sub>2</sub>CH(R)C(O)-, -CH<sub>2</sub>CH<sub>2</sub>CH(R)C(O)-, -CH(R)CH<sub>2</sub>-, -CH<sub>2</sub>CH(R)CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>CH(R)CH<sub>2</sub>-, -CH<sub>2</sub>CH(R)-, -CH<sub>2</sub>CH<sub>2</sub>CH(R)-, -CH(R)CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CH(R)CH<sub>2</sub>CH<sub>2</sub>-, -CH(R)CH<sub>2</sub>C(O)- and -CH<sub>2</sub>CH(R)CH<sub>2</sub>C(O)-.

115. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is R, Q<sup>2</sup> is Z, Q<sup>3</sup> is C(O) or CH<sub>2</sub>.

116. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is R, Q<sup>2</sup> is Z, Q<sup>3</sup> is -C(O)N(Q<sup>5</sup>)CH(R)C(O)- or -C(O)N(Q<sup>5</sup>)CH(R)CH<sub>2</sub>-.

117. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is CH(R)C(O)Q<sup>2</sup>, Q<sup>1</sup>Q<sup>2</sup> - forms a cyclic group -CH(R)C(O)-Q<sup>2</sup>, Q<sup>3</sup> is C(O) or CH<sub>2</sub>.

118. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is CH<sub>2</sub>CH(R)C(O)Q<sup>2</sup>, Q<sup>1</sup>Q<sup>2</sup> - forms a cyclic group -CH<sub>2</sub>CH(R)C(O)-, Q<sup>3</sup> is C(O) or CH<sub>2</sub>.

119. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $R^C$  is  $C(O)Pg^C$  where  $Pg^C$  is a protecting group for carboxylic acid.
120. (Previously Presented) A peptide mimetic as claimed in Claim 119 wherein  $Pg^C$  is selected from the group consisting of alkoxy, benzyloxy, allyloxy, fluorenylmethyloxy, amines forming easily removable amides, a cleavable linker to a solid support, the solid support, hydroxy, NHR, OR, R or the remaining C-terminal portion of the mimetic.
121. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $Pg^N$  is selected from a group consisting of Boc, Cbz, Alloc, trityl, a cleavable linker to a solid support, the solid support, hydrogen, R,  $C(O)R$  or part of the remaining N-terminal portion of the mimetic.
122. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $M'$  or  $M''$  is methoxy.
123. (Withdrawn) A peptide mimetic is claimed in Claim 113 wherein  $M'$  or  $M''$  is methyl.
124. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein Z is H,  $Z^1$  is H and  $R^C$  is  $C(O)Pg^C$ .
125. (Withdrawn) A peptide mimetic as claimed in Claim 124 wherein  $R^1$  and  $R^2 \neq H$
126. (Previously Presented) A peptide mimetic as claimed in claim 113 wherein Z is hydrogen,  $M^5$  and  $M^6$  when taken together with the carbon atom to which they are attached form a carbonyl group,  $Z^1 = H$ , and  $R^C$  is  $C(O)Pg^C$ .
127. (Withdrawn) A peptide mimetic as claimed in Claim 126 wherein  $R^1$  and  $R^2 \neq H$
128. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

129. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)CH_2-$ ,  $Z^1=H$  and  $R^C$  is  $C(O)Pg^C$ .

130. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH(R^2)C(O)-$ ,  $Q^3$  is  $C(O)$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

131. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH(R^2)C(O)-$ ,  $Q^3$  is  $CH_2$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

132. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH_2CH(R^2)C(O)-$ ,  $Q^3$  is  $C(O)$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

133. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein  $Q^1Q^2$  is  $-CH_2CH(R^2)C(O)-$ ,  $Q^3$  is  $CH_2$ ,  $Z^1=R^1$  and  $R^C$  is  $C(O)Pg^C$ .

134. (Previously Presented) A peptide mimetic according to claim 113 wherein  $R$ ,  $R^1$  and  $R^2$  are each independently selected from the group consisting of

(i)  $-CH_3$ ,

(ii)  $-CH_2-\overset{\overset{O}{\parallel}}{C}-NH_2$  ,

(iii)  $-CH_2SH$ ,

(iv)  $-CH_2CH_2-C(O)NH_2$ ,

(v)  $-H$ ,

(vi)  $-CH(CH_3)CH_2CH_3$ ,

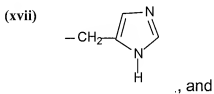
(vii)  $-CH_2-CH(CH_3)_2$ ,

(viii)  $-CH_2CH_2S-CH_3$ ,

(ix)  $-CH_2Ph$ ,

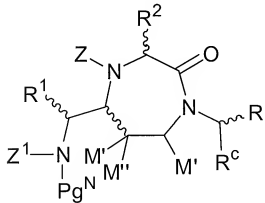
(x)  $-CH_2OH$ ,

- (xi)  $-\text{CH}(\text{OH})\text{CH}_3$ ,  
 (xii)  $-\text{CH}_2-(3\text{-indolyl})$   
 (xiii)  $-\text{CH}_2-\text{Ph}-\text{OH}$ ,  
 (xiv)  $-\text{CH}(\text{CH}_3)_2$ ,  
 (xv)  $-\text{CH}_2\text{CO}_2\text{H}$ ,  
 (xvi)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}-\underset{\text{NH}}{\underset{\parallel}{\text{C}}}-\text{NH}_2$ ,

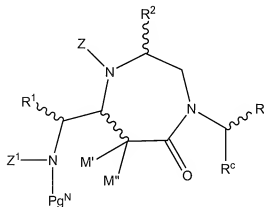


- (xix)  $-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2$ .  
(xx)  $-\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ .

135. (Previously Presented) A mimetic according to claim 113 having the structure:



136. (Withdrawn) A mimetic according to claim 113 having the structure:



137. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein  $M'$ ,  $M''$  are H.

138. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein  $Z$ ,  $Z^1$  are H.

139. (Withdrawn) A peptide mimetic as claimed in claim 135 wherein  $R^1$  and  $R^2 \neq H$ .

140. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein  $R^c$  is  $C(O)Pg^c$  where  $Pg^c$  is a protecting group for carboxylic acid.

141. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein  $M'$ ,  $M''$  are H.

142. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein  $Z$ ,  $Z^1$  are H.

143. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein  $R^1$  and  $R^2 \neq H$ .

144. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein  $R^c$  is  $C(O)Pg^c$  where  $Pg^c$  is a protecting group for carboxylic acid.